

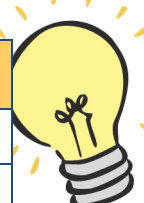


Light and Sound



Purpose

In this project, you will learn all about the different aspects of light and sounds. We will also be exploring electricity and creating our own electrical circuits!



Science

I understand that light is needed to see, and that dark is the absence of light.

I know that light is reflected from surfaces.



I understand that light can be dangerous and know how to protect my eyes.

I know shadows are formed when light is blocked and can explain patterns in the way a shadow size changes.

I know how sounds are made and heard.



I understand that the features of an object will determine the pitch it produces.

I understands the link between the volume of a sound and the strength of the vibrations that produced it.

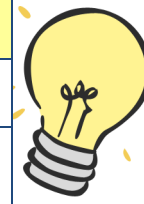
I know that sounds get fainter as the distance from the sound source increases.



I can identify common appliances that run on electricity.

I can construct simple series circuits and use recognised symbols when representing circuits with diagrams.

I can predict whether a lamp will light in a series circuit based on whether it is part of a complete loop with a battery and the position of the switch.



DT

I have researched electric lamps, lanterns and inventions that will aid my design.

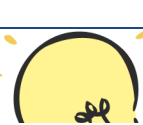
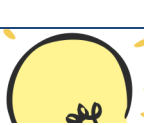
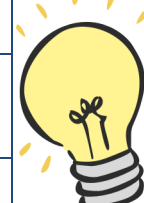
I can draw and label a diagram showing how my electric circuit will work and make sketches to show how my lantern look.



I can choose materials according to their properties for my design.

I can draw and test a working circuit to go into my lantern.

I can discuss and evaluate my work.



Spanish

I know the names of objects in the classroom.

I understand classroom commands.

I can use Spanish vocabulary in conversation and ask and answer questions.

RE

I know how the Christian Bible came to exist using historical enquiry.

I can explore the contents of the Bible and how they were decided on.

I can evaluate the impact of people and events on the modern-day Christian Bible.

I can explain the importance of Bible interpretation to many Christians.

I can compare the use of the Christian Bible in different churches.

I can identify ways in which the Christian Bible is relevant to some people today.

Hillstone Life Skills

I can assess and give first aid to a casualty who is having difficulty breathing due to an asthma attack.

I understand some of the risks of smoking and some of the benefits of being a non-smoker

I understand how vaping is different to smoking and some of the risks related to this.

Computing

I can create a presentation on Microsoft PowerPoint.

I can ensure that the design for my presentation is consistent and suitable.

I can add text and images to my presentation.